

EXHIBIT C



mga research corporation

**SEATS INCORPORATED
WALL MOUNTED SEAT
FMVSS 202A DIMENSIONAL MEASUREMENTS
(PO#289976)**

TEST REPORT

MGA REPORT NO.: C21Q9-004.5

TEST(S) PERFORMED ON: February 22, 2021

TEST REFERENCE NUMBER(S): Q21128

PROCEDURE NUMBER: MGATP_202a_HPT
Last Revision Date: March 23, 2016

TEST LABORATORY: MGA Research Corporation
820 Suburban Park Drive
Greer, SC 29651

SUBMITTED TO: Brent McCarthy
Seats Incorporated
1515 Industrial Street
Reedsburg, WI 53959

REPORT DATE: March 11, 2021

MGA PERSONNEL:


Josh Corneroli
Project Leader

Test Personnel
David Maier

* The results presented in this report relate only to the specified test items.

** This report shall not be reproduced except in full, without the written approval of the laboratory.

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 Program: Wall Mounted Seat

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Test Specification

Sample was tested per FMVSS 4.2.1-.3 and 4.2.4.1-.2 with no deviations from the specification.

Equipment

The following instrumentation was used to perform this test. All equipment and data have been calibrated by a source traceable to the National Institute of Standards and Technology (NIST). Calibration certificates can be furnished upon request.

Sensor ID Number	Data Type	Calibration Date	Calibration Due Date
128	J826 Oscar	10/08/2020	10/08/2021
TPM007	Tape Measure	09/25/2020	09/25/2021
SC00232	Digital Inclinometer	07/31/2020	07/31/2021
SC00233	CMM	10/02/2020	10/02/2021
SC00104	Digital Calipers	08/17/2020	08/17/2021
SC00123	Force Gauge	07/30/2020	07/30/2021

Procedure/Method

The fixturing of the sample consisted of attaching the sample to the fixture and then bolting the fixture to a T-slot plate. MGA's SAE J826 H-Point manikin was used to perform all measurements.

Test Results

Photographs can be found in Appendix B. All data is traceable to the National Institute of Standards and technology (NIST).

Test No.	Sample Desc.	Sample ID No.	Measured H-Point		
			X [mm] (forward ref.)	Z [mm] (above ref.)	Torso Angle [Deg]
Q21128	Wall Mounted Seat	#1	147.5	159.3	6.0°

*Note: Measurements are relative to left-hand seat bottom cushion pivot

Test No.	Sample Desc.	Sample ID No.	S4.2.1- Average Height [mm] (FMVSS Req't \geq 800 in at least one position)	S4.2.3- Backset [mm] (FMVSS Req't < 55)
			846	58.3
Q21128	Wall Mounted Seat	#1		

*Note: Backset only applies if headrest height is between 750-800 mm

Test No.	Sample Desc.	Sample ID No.	S4.2.2- H/R Width [mm] (FMVSS Req't \geq 170)	S4.2.4- Gaps-(Sphere) [mm] (FMVSS Req't < 60)		
			I/B	Center	O/B	
			G1	G2	G3	
Q21128	Wall Mounted Seat	#1	345	NA	NA	NA

*Note: Sample Met requirements for FMVSS 202a Dimensional Measurements

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Additional HR Measurements

Test No.	Sample Desc.	Sample ID No.	Knee Angle [deg]						Foot Angle [deg]						Hip Angle [deg]		
			LH			RH			LH			RH					
			D1	D2	D3	D1	D2	D3	D1	D2	D3	D1	D2	D3	D1	D2	D3
Q21128	Wall Mounted Seat	#1	107	106	105	107	105	105	114	115	115	114	113	115	90	90	90

Additional test documentation can be found in the following appendices.

Appendix A Customer Test Request and Related Documents.....Page 4

Appendix B Test Data and Photographs.....Page 5

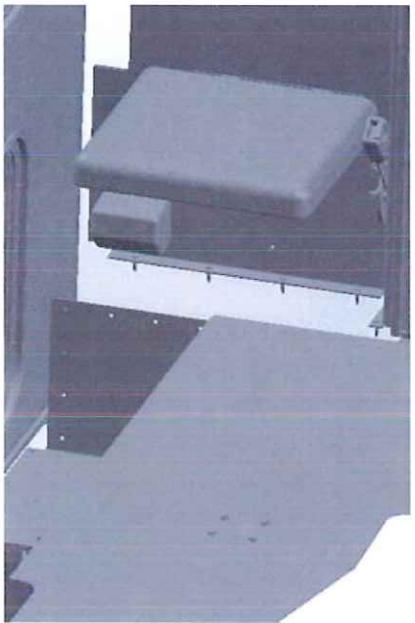
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Appendix A
Customer Test Request and Related Documents

The distance from the top of the seat cushion to the floor structure on the left side of the seat is 15.14". The right foot side is 26.21".



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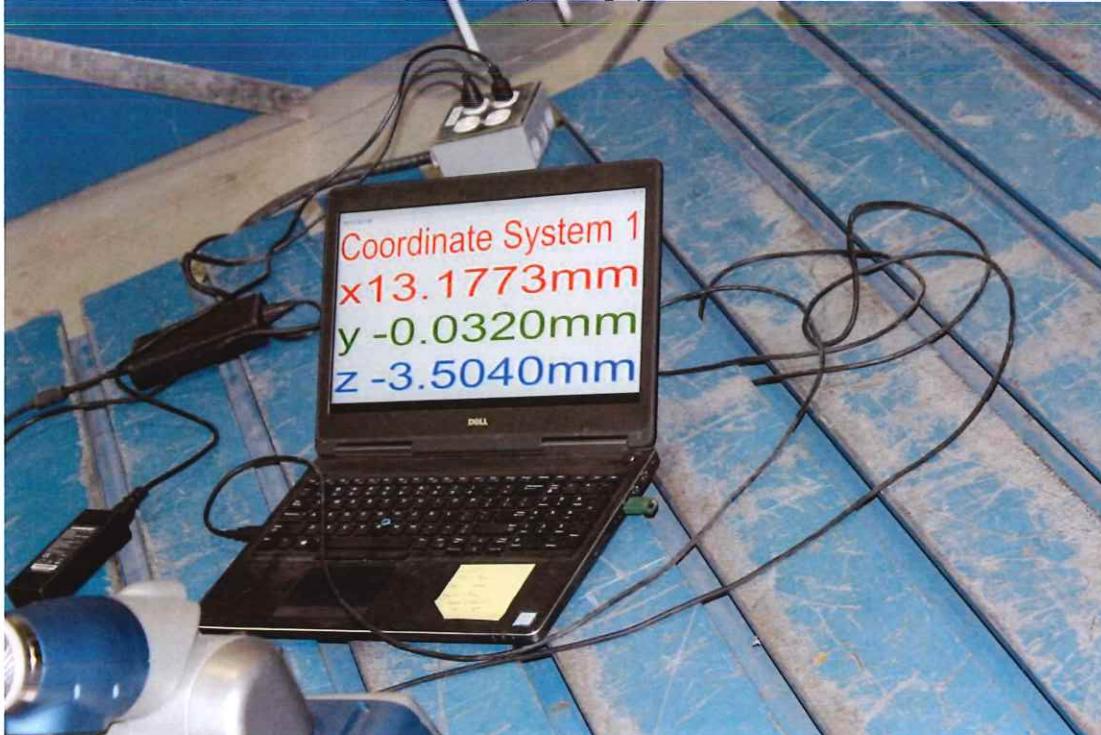
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Appendix B
Test Data and Photographs



Q21128 Setup Photograph No.1



Q21128 Setup Photograph No.2

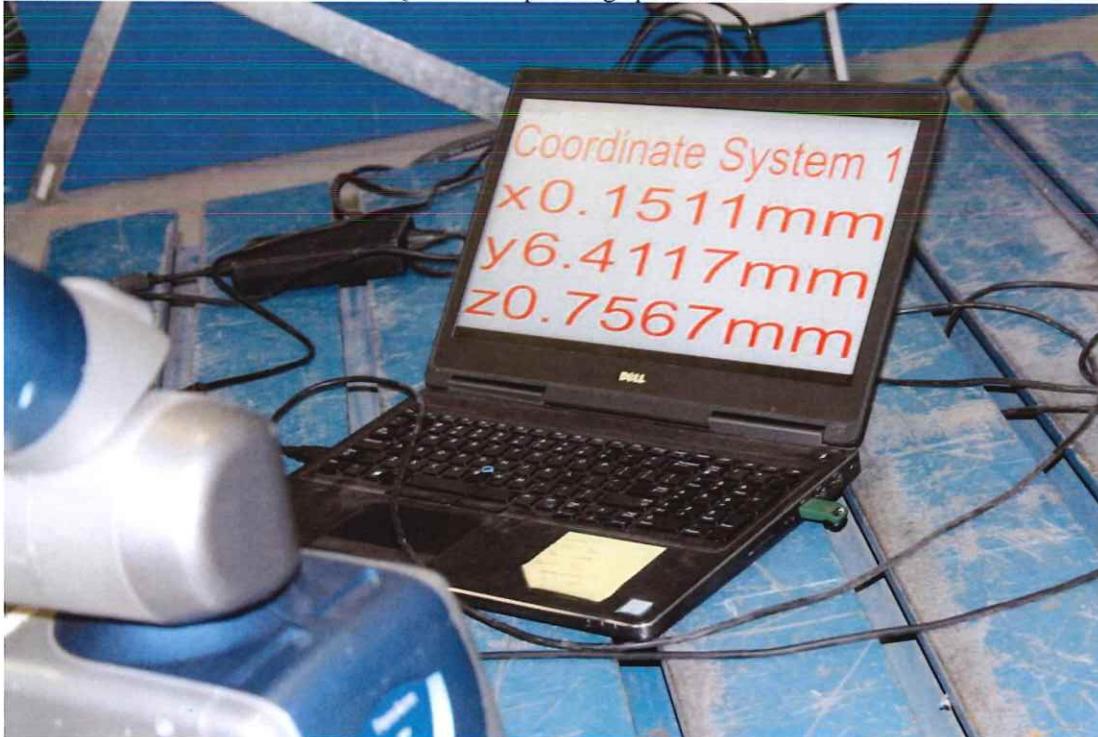
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Q21128 Setup Photograph No.3

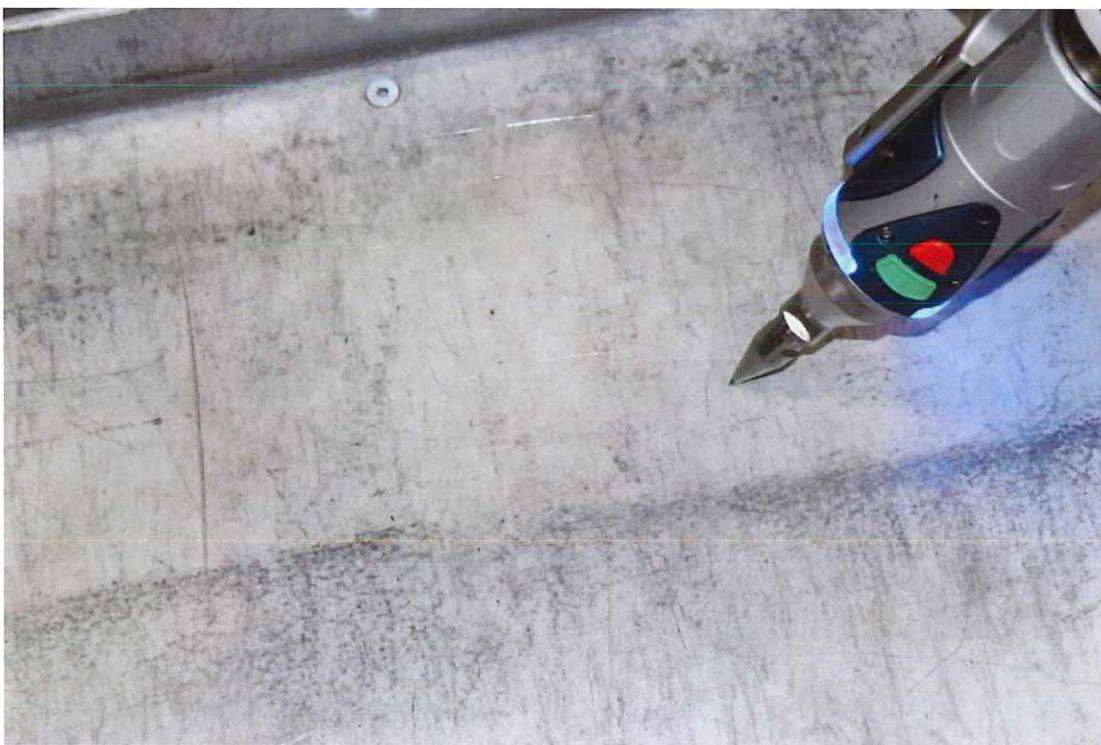


Q21128 Setup Photograph No.4

MGA Report No.: C21Q9-004.5
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Q21128 Setup Photograph No.5



Q21128 Setup Photograph No.6

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Q21128 Setup Photograph No.7



Q21128 Setup Photograph No.8

MGA Report No.: C21Q9-004.5
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Q21128 Setup Photograph No.9

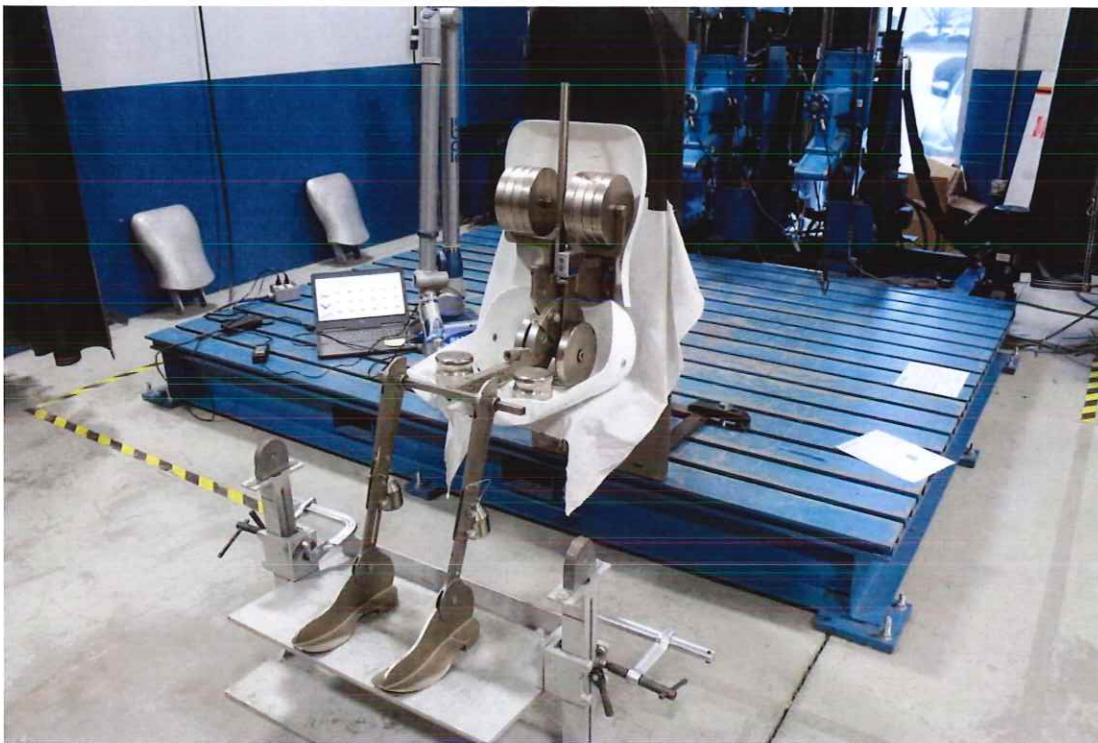


Q21128 Test Photograph No.1

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Q21128 Test Photograph No.2



Q21128 Test Photograph No.3

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Q21128 Test Photograph No.4



Q21128 Test Photograph No.5

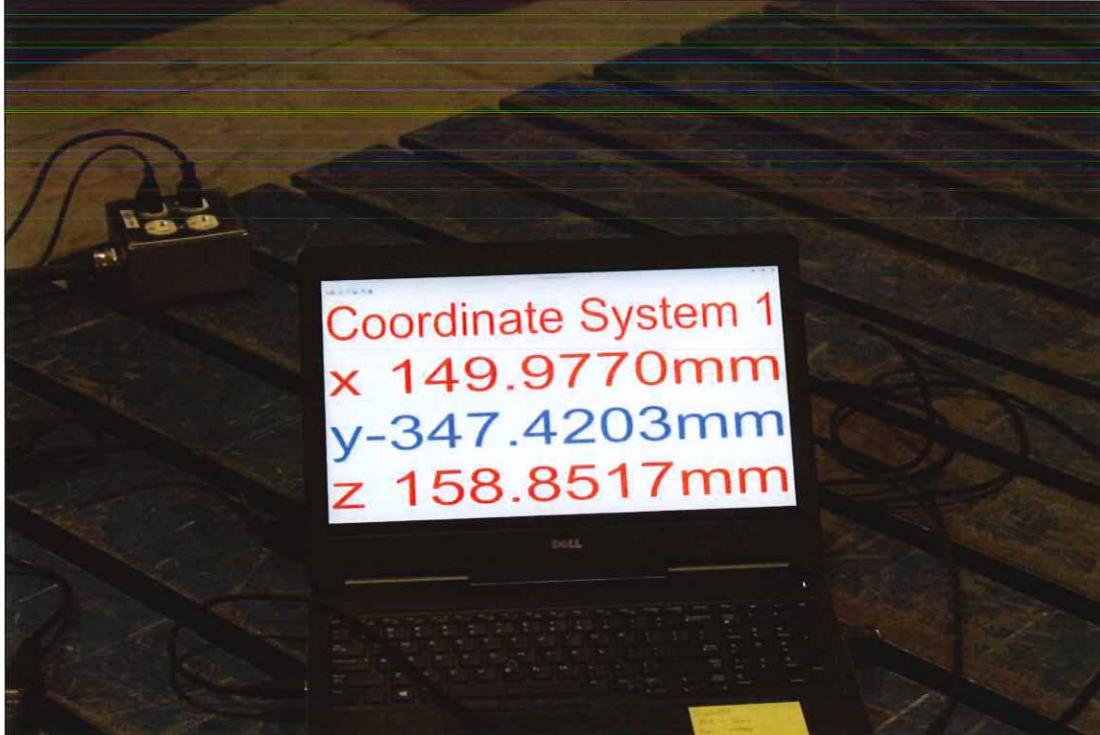
MGA Report No.: C21Q9-004.5
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Q21128 Test Photograph No.6



Q21128 Test Photograph No.7

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Q21128 Test Photograph No.8

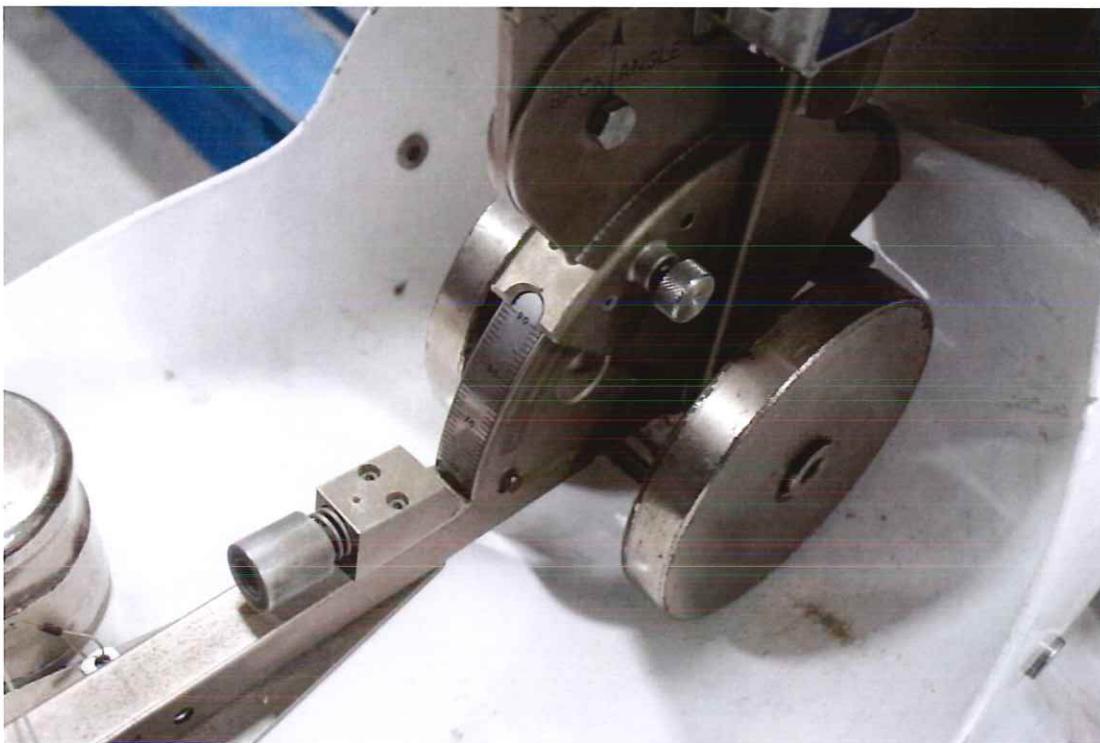


Q21128 Test Photograph No.9

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Q21128 Test Photograph No.10

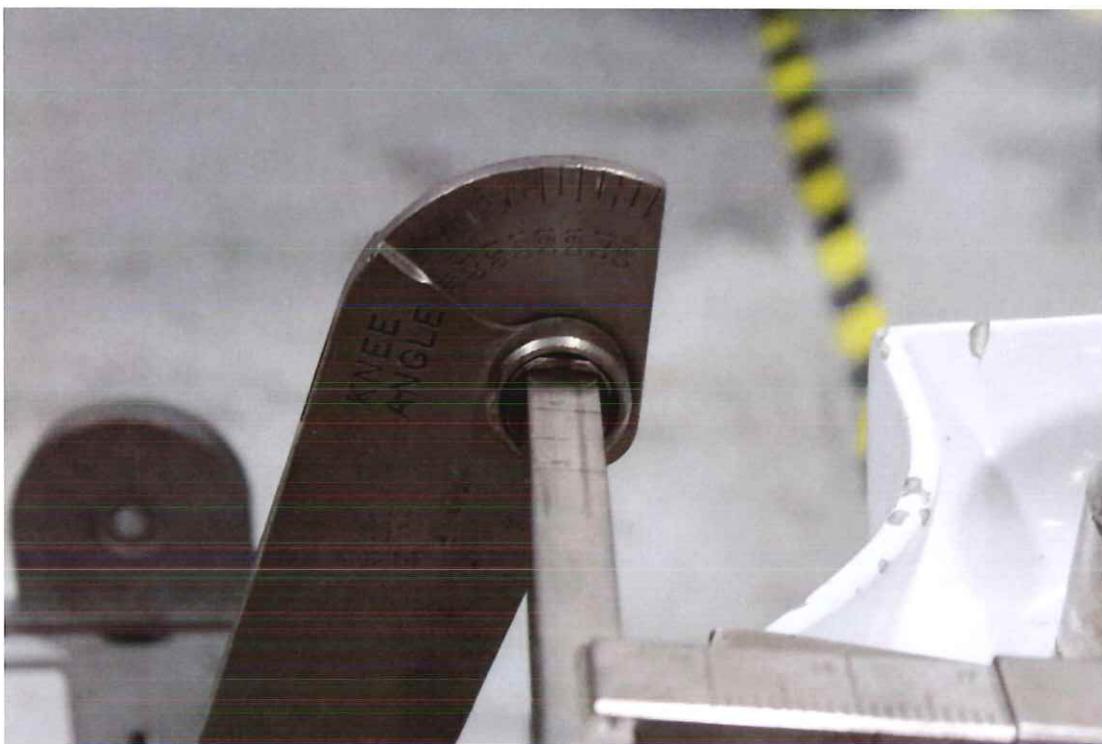


Q21128 Test Photograph No.11

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Q21128 Test Photograph No.12



Q21128 Test Photograph No.13

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Q21128 Test Photograph No.14



Q21128 Test Photograph No.15

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Q21128 Test Photograph No.16



Q21128 Test Photograph No.17

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Q21128 Test Photograph No.18

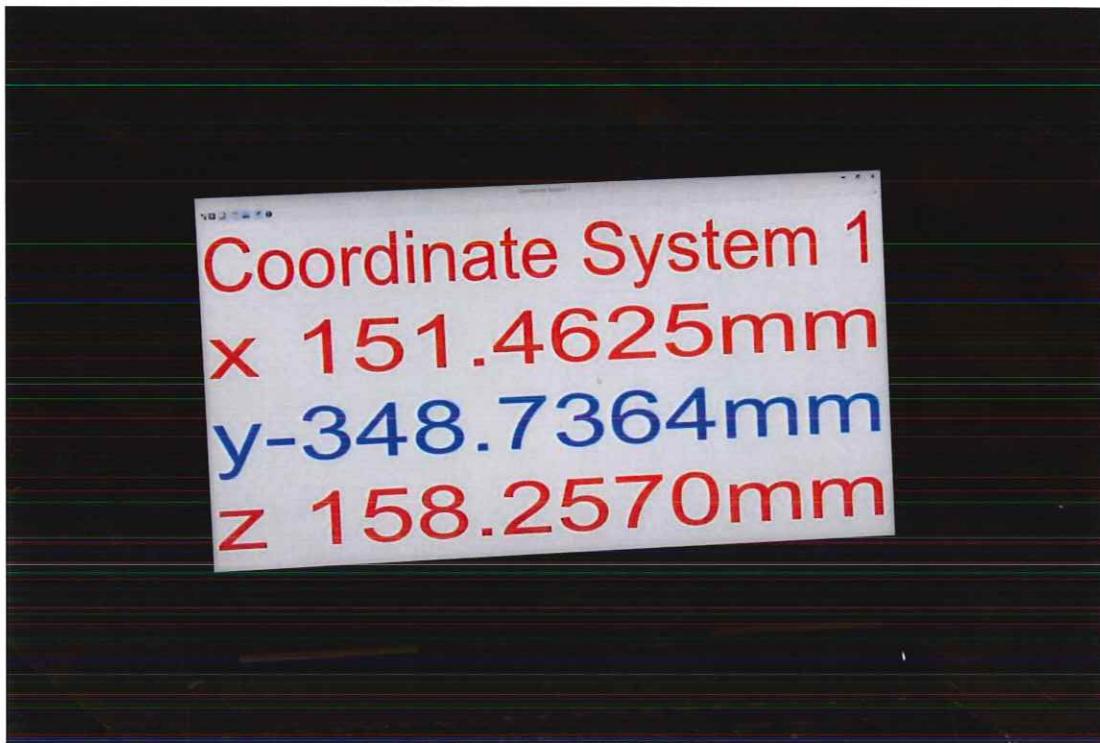


Q21128 Test Photograph No.19

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Q21128 Test Photograph No.20

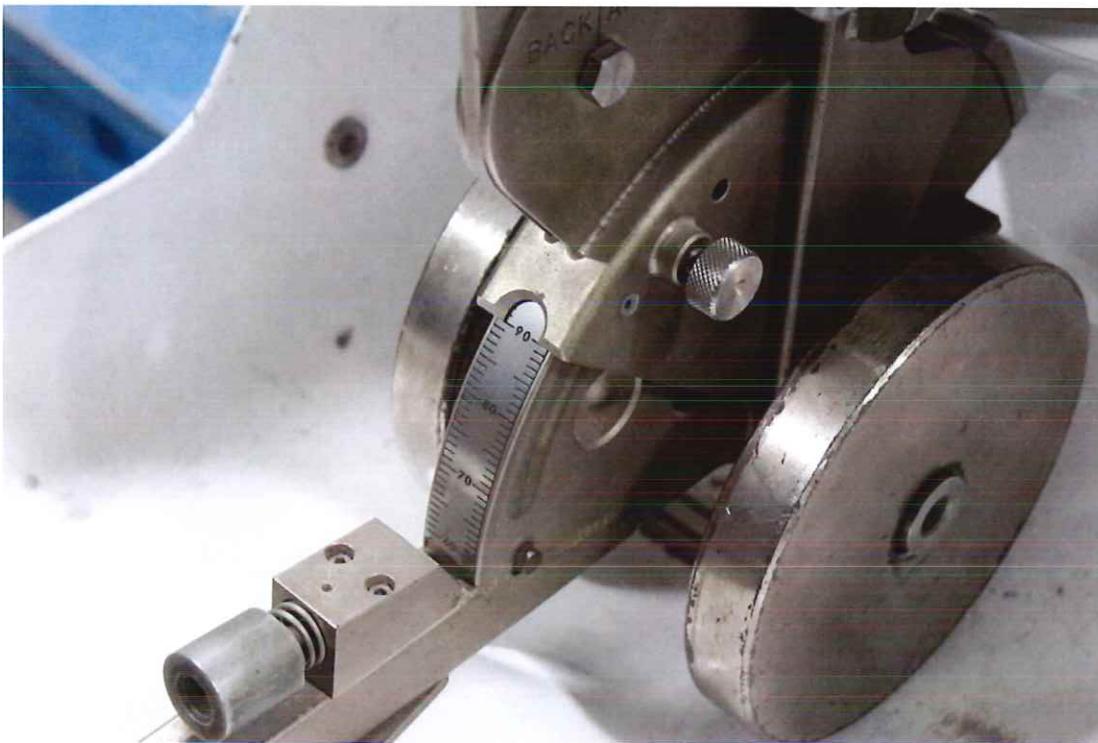


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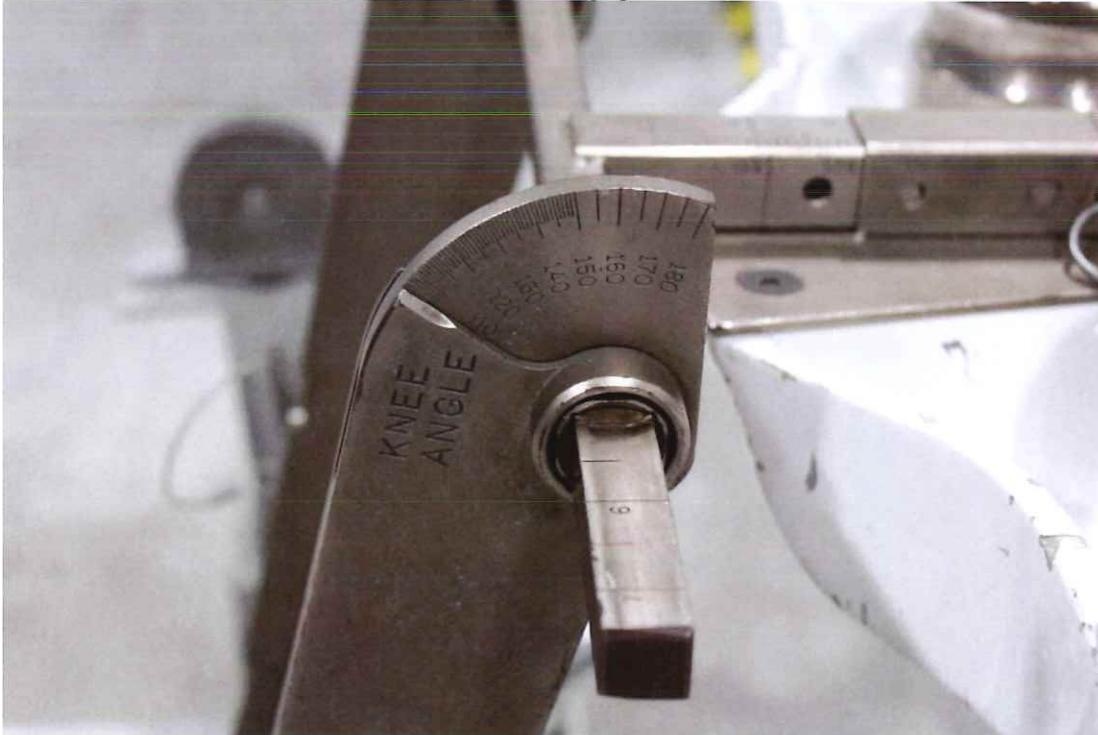
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Q21128 Test Photograph No.22

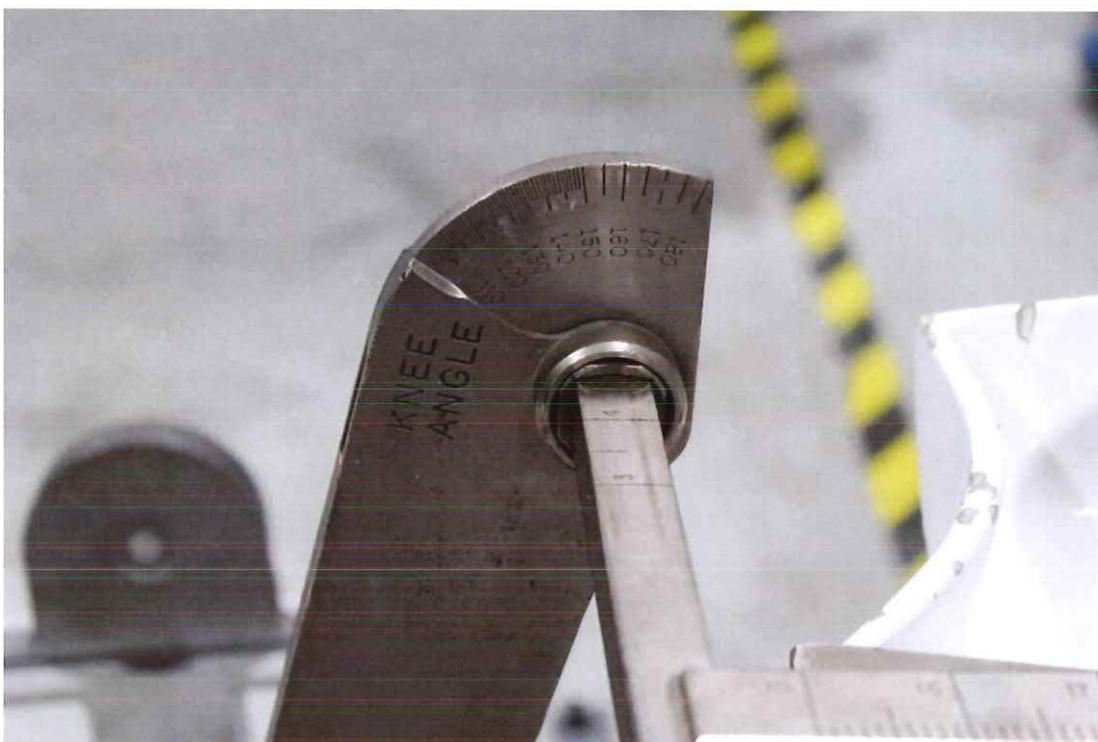


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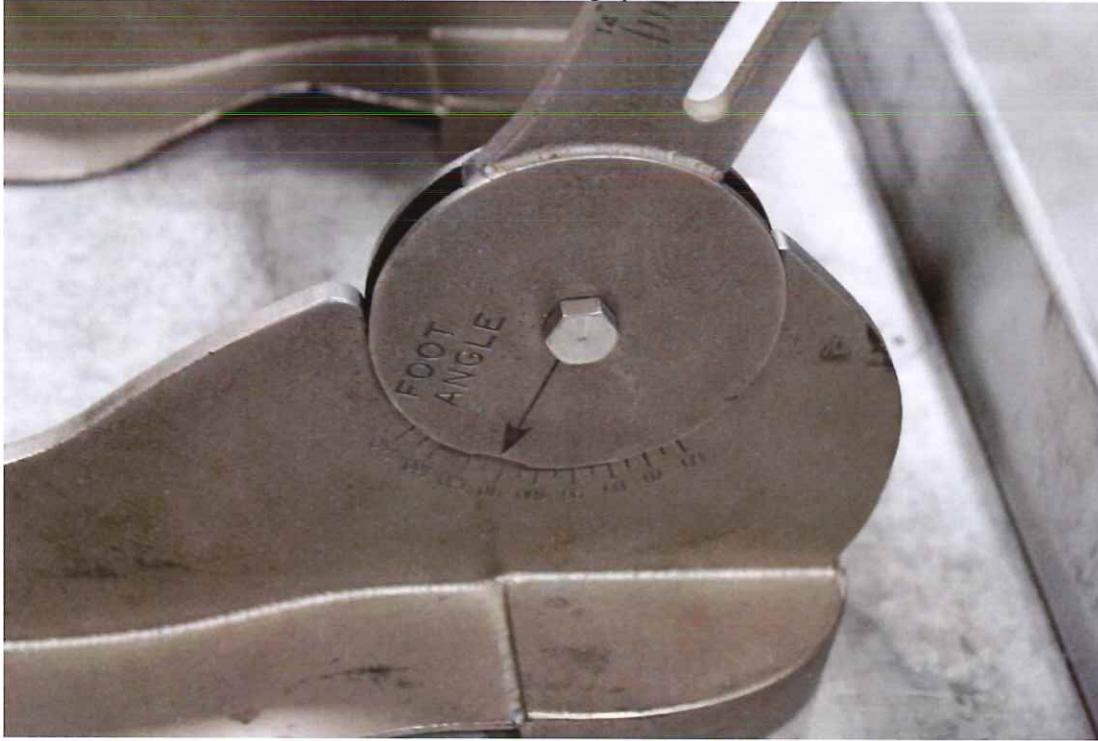
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Q21128 Test Photograph No.24

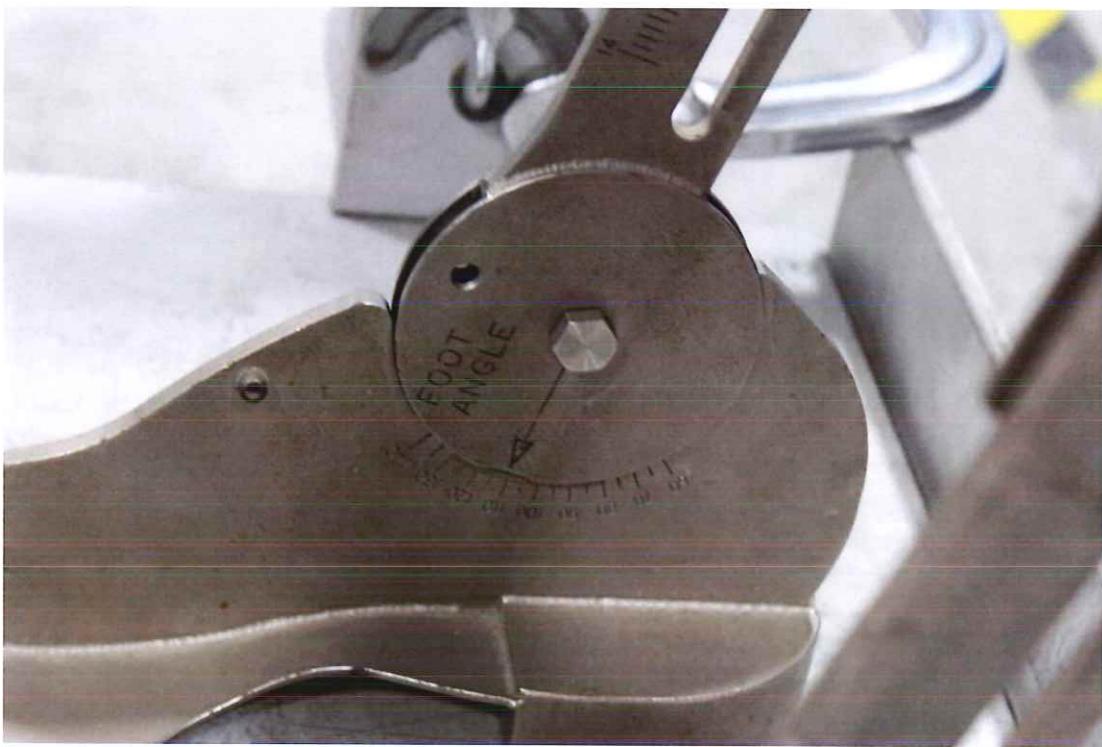


Q21128 Test Photograph No.25

MGA Report No.: C21Q9-004.5
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Q21128 Test Photograph No.26

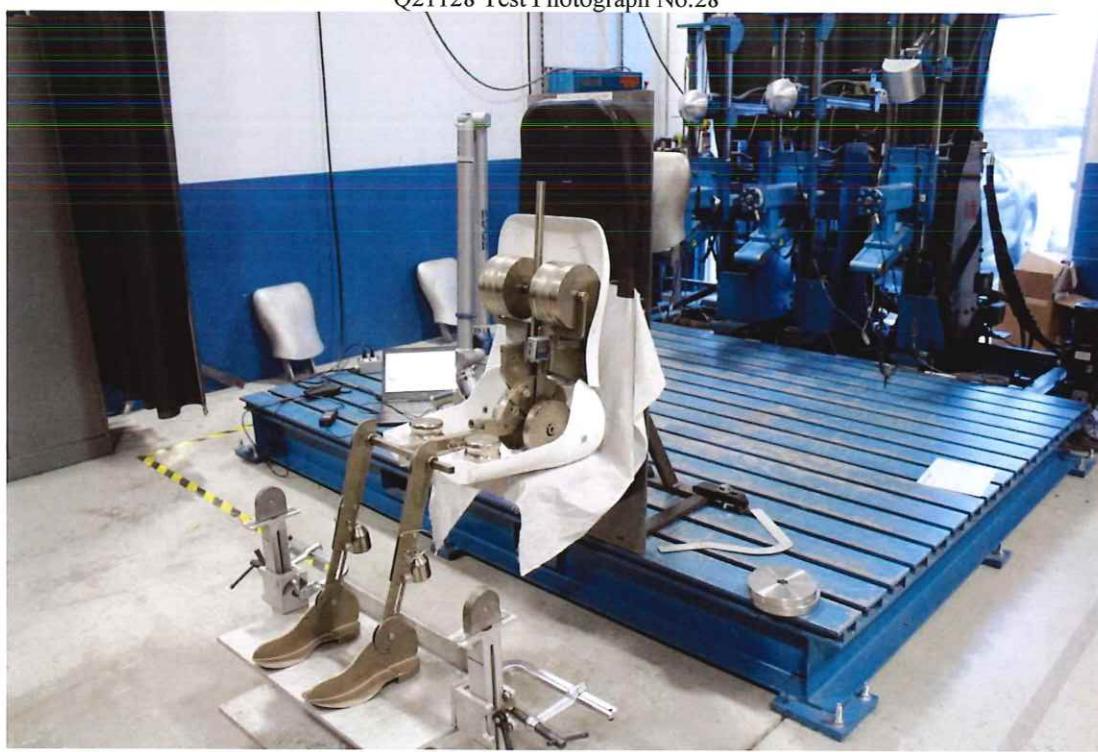


Q21128 Test Photograph No.27

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Q21128 Test Photograph No.29

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Q21128 Test Photograph No.30

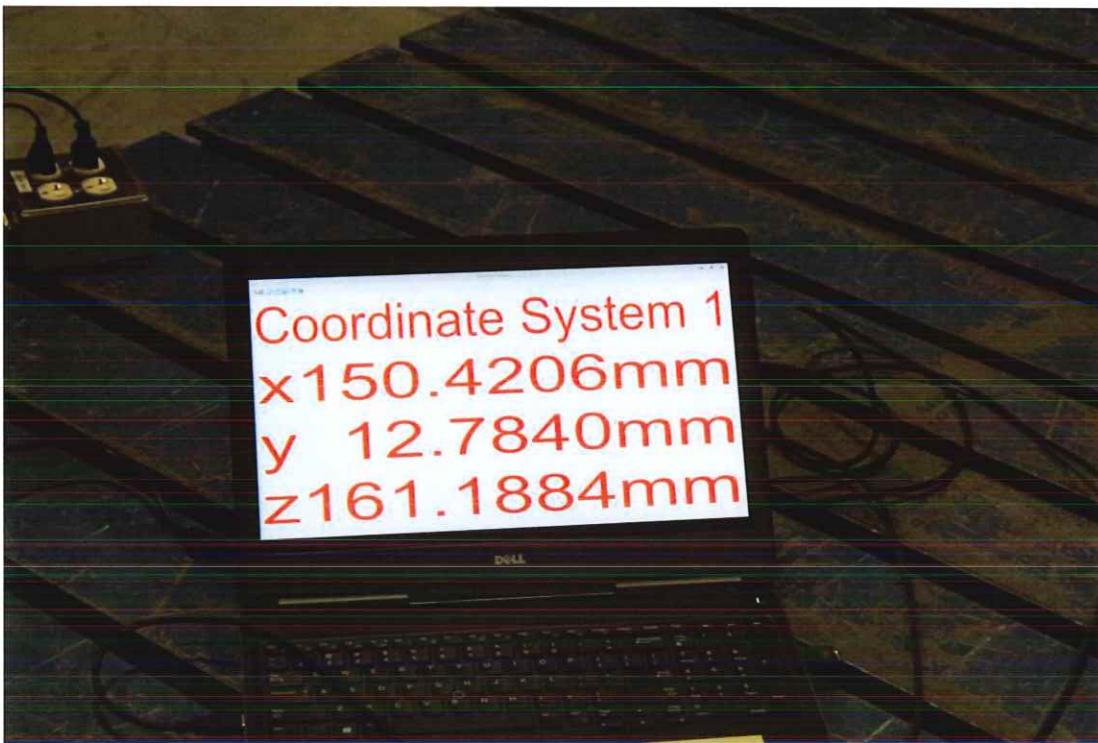


Q21128 Test Photograph No.31

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Q21128 Test Photograph No.32



Q21128 Test Photograph No.33

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Q21128 Test Photograph No.34

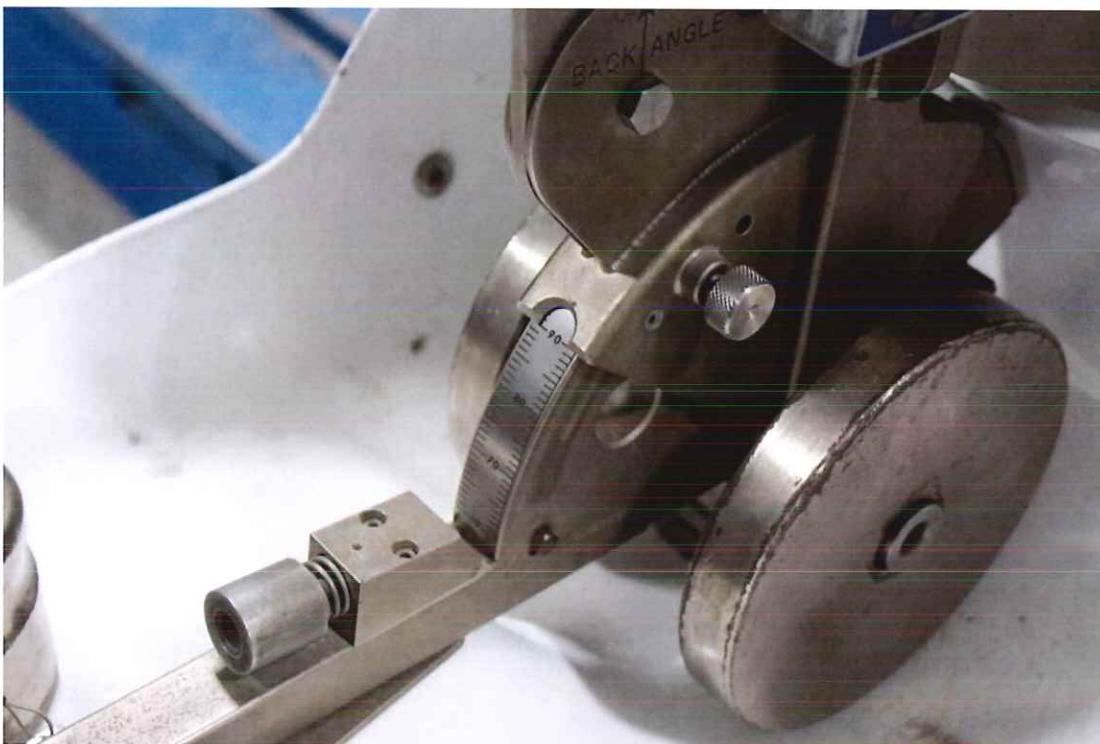


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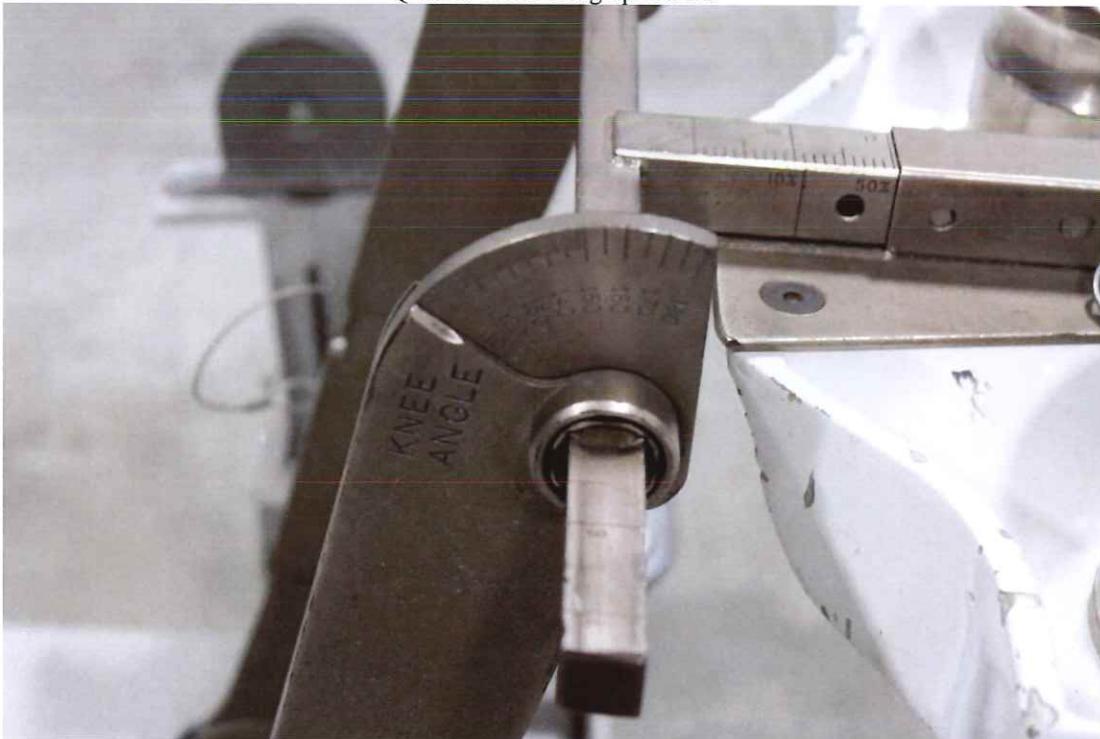
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Q21128 Test Photograph No.36



Q21128 Test Photograph No.37

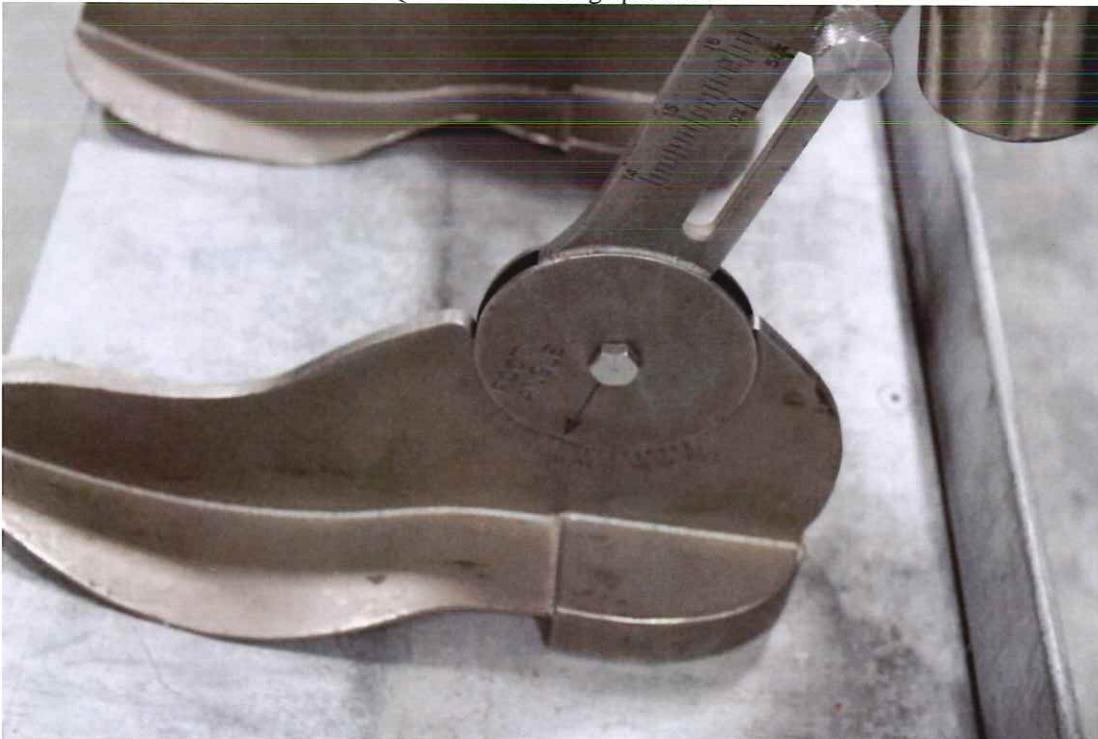
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Q21128 Test Photograph No.38

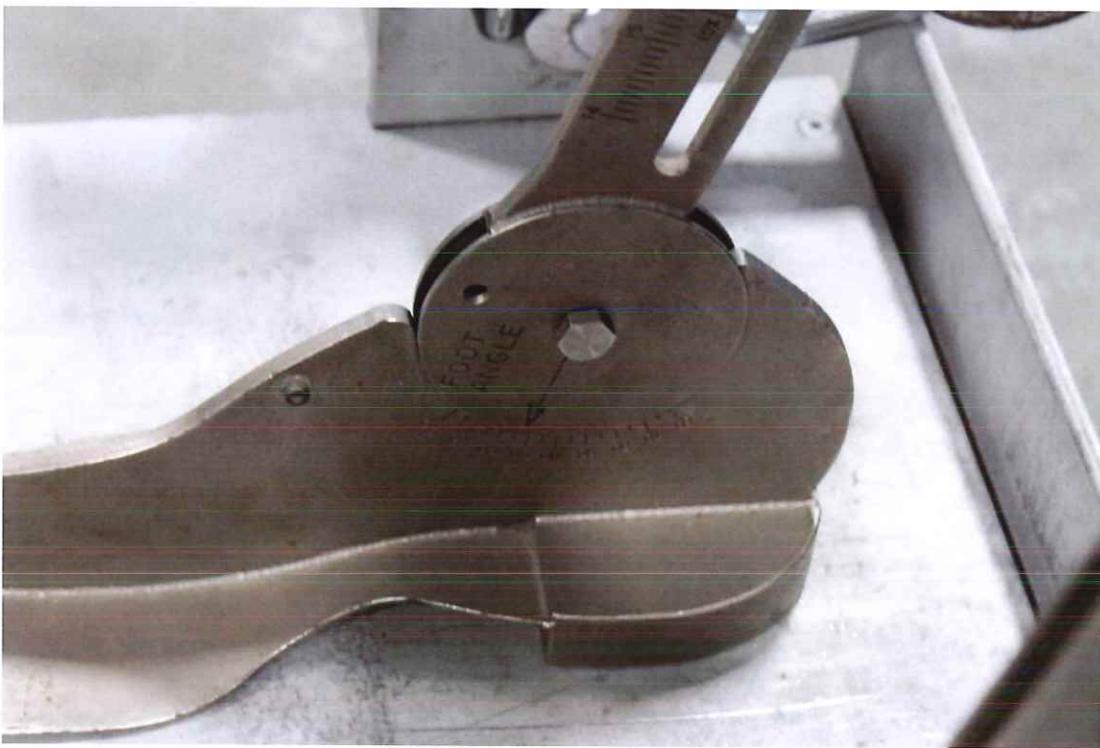


Q21128 Test Photograph No.39

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Q21128 Test Photograph No.40



Q21128 Test Photograph No.41